

AMENDMENTS TO THE ABSTRACT:

Please replace the Abstract with the following amended Abstract:

[marked corrected version]

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A ~~There is provided a~~ correlator which detects correlation for data having a certain length, ~~wherein the correlator includes is comprised of~~ a plurality of sub-correlators, each of the sub-correlators having ~~has~~ a length equal to a divisor of the certain length and, each of the sub-correlators having ~~has~~ such a length that a product of all lengths ~~length~~ of the sub-correlators is equal to the certain length. A, ~~and a~~ correlation value output from one of the sub-correlators is input into a sub-correlator located immediately downstream of ~~the~~ one of the sub-correlators.

[attach 2nd page - clean correct version]

ABSTRACT OF THE INVENTION

A correlator which detects correlation for data having a certain length includes a plurality of sub-correlators, each of the sub-correlators having a length equal to a divisor of the certain length and each of the sub-correlators having such a length that a product of all lengths of the sub-correlators is equal to the certain length. A correlation value output from one of the sub-correlators is input into a sub-correlator located immediately downstream of one of the sub-correlators.